

19971210.qrp v00_n935.qrs.971210

Date: Wed, 10 Dec 1997 19:15:32 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 935

QRP-L Digest 935

Topics covered in this issue include:

- 1) [32347] Circad to Gif
by Fran Flynn <fflynn@together.net>
- 2) [32348] Re: What do I do with a dead fox?
by Ed Loranger <we6w@qsl.net>
- 3) [32349] Measuring R+jX with the Autek RF-1
by bagardn <bagardn@ibm.net>
- 4) [32350] Re: Zero-Beat
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 5) [32351]
by ka7you@juno.com
- 6) [32352] Ten-Tec receiver kit- reviews anyone?
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 7) [32353] Eastern PA QRP Club
by "Ron Polityka" <wb3aal@talon.net>
- 8) [32354] 9V and AA/AAA batteries
by ka7you@juno.com
- 9) [32355] Wire Antenna Question
by Joel Malman <malman@BBN.COM>
- 10) [32356] Re: Ten-Tec receiver kit- reviews anyone?
by gsurrency@juno.com (Gary Surrency)
- 11) [32357] hf activity
by Fran Flynn <fflynn@together.net>
- 12) [32358] SPICE simulation of KM1Z's 2N2222 Audio Amplifier
by Stan Wilson <microres@crl.com>
- 13) [32359] Re: A35RK
by Jeff Grudin <grudin@pacific.vdbs.com>
- 14) [32360] K2 ?
by n4js@pobox.com (John Sielke)
- 15) [32361] Hidden Wonders of Foxhunting
by Joe Gervais <vole@primenet.com>
- 16) [32362] Fox format?
by N8mgu <N8mgu@aol.com>
- 17) [32363] Re: Verticals, radials, and salt water
by K5BDZ <K5BDZ@aol.com>
- 18) [32364] Great Colorado Snow Shoe Run
by "J. Medley" <jmedley@ix.netcom.com>
- 19) [32365] Re: Wire Help

- by Dan Hogan <dhhogan@lightside.com>
- 20) [32366] Very Nice CW Web Site
by Brian Kassel <bkassel@dancris.com>
- 21) [32367] Re: Will the 38Special Come Back
by sigcom@juno.com (Stephen M Smith)
- 22) [32368] Re: Wire Help
by "Phil, K6LS" <k6ls@prolynx.com>
- 23) [32369] Snow Show Run
by "J. Medley" <jmedley@ix.netcom.com>
- 24) [32370] Soldering xtals
by Jerome_Peters@el.nec.com
- 25) [32371] Re: LIST POLICE
by "Frank Grigaliunas" <fgrig@iea.com>
- 26) [32372] Re: Snow Show Run
by Joe Gervais <vole@primenet.com>
- 27) [32373] QRP Club Website
by DENNIS MO <DENNISMO@aol.com>
- 28) [32374] Paddles mailed
by wager@juno.com (James W. Cates)
- 29) [32375] TS-850 offset
by ALK0FRP <ALK0FRP@aol.com>
- 30) [32376] RE: TenTec C/21 Dial Slippage
by "Edwin E. Albert" <ted.albert@worldnet.att.net>
- 31) [32377] N4BP Change of address / URL
by Bob Patten <n4bp@bc.seflin.org>
- 32) [32378] small speakers
by Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
- 33) [32379] Re:Verticals, radials, and salt water
by "Gene A. Williamson" <genewill@ordata.com>
- 34) [32380] For sale - HF, QRP, scanners, 2m xvtr kit, wattmeter
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 35) [32381] RE: Stripping Teflon Wire
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 36) [32382] QRP - Watts?
by "Robert H. Sorge" <rsorge@phoenix.net>
- 37) [32383] Re: LIST POLICE
by "Ron Smith" <resmith@primenet.com>
- 38) [32384] FOX: N/T fox Thurs 11 Dec EST
by "Buck, Preston D" <BuckPD@corning.com>
- 39) [32385] Re: QRP - Watts?
by Stanley Wilson <microres@crl.com>
- 40) [32386] Re: A35RK
by Randy Foltz <rfoltz@wsunix.wsu.edu>
- 41) [32387] 10 M. Contest\IARU\Beacons
by gregoire@endor.com
- 42) [32388] \(^o^)/ - Frosty?
by Tim Ahrens <tahrens@inetport.com>
- 43) [32389] 38 Special Commercial Version

by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
44) [32390] Re: QRP - Watts?
by Michael <MichaelN@cycat.com>
45) [32391] TEN_TEC
by charlie <crc@io.com>
46) [32392] Re: 38 Special Commercial Version
by Michael <MichaelN@cycat.com>
47) [32393] Re: CIRCAD :-(
by WB0NZM <WB0NZM@aol.com>
48) [32394] Propagation on the higher bands
by John Mckee <JMckee@RFMD.com>
49) [32395] RE: Propagation on the higher bands
by Kevin Muenzler WB5RUE <wb5rue@stic.net>
50) [32396] Solar Summary Dec. 10
by Paul Harden <pharden@aoc.nrao.edu>
51) [32397] Re: small speakers
by Steven Weber <kd1jv@moose.ncia.net>
52) [32398] Re: Two Guys Dinner last night
by adams@chuck.dallas.sgi.com (Chuck Adams)
53) [32399] Fwd: 7040 Crystals
by Bill_Unger@tvo.org
54) [32400] Re: Wire Help
by "Kevin F. Glynn" <kfglynn@prodigy.net>
55) [32401] Re: TenTec C/21 Dial Slippage
by "Paul R. Valko" <prvalko@oakland.edu>
56) [32402] Great story
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
57) [32403] Christmas Presents (ad)
by "Marshall Emm" <mgemm@mtechnologies.com>
58) [32404] FOX: STATE STANDINGS 1997/98 FOXHUNT
by Chris Cartwright <ccart@dns.vidtel.com>
59) [32405] Fox
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
60) [32406] NorCal Crystals
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
61) [32407] Results of xtal question
by Jerome_Peters@el.nec.com
62) [32408] Re: Results of xtal question
by John Evans - N0HJ <jae@codenet.net>
63) [32409] RE: QRP - Watts?
by "Robert H. Sorge" <rsorge@phoenix.net>
64) [32410] Solar Status
by adams@chuck.dallas.sgi.com (Chuck Adams)
65) [32411] Re: Stl Vertical
by Peter Demmer <ampruss@hits.net>
66) [32412] Re: Results of xtal question
by Ed Loranger <we6w@qsl.net>
67) [32413] CW Backwards?

by K5BDZ <K5BDZ@aol.com>

68) [32414] K5FO's shack
by "Jeff M. Gold" <jmg@tntech.edu>

69) [32415] Re: QRP - Watts?
by Ed Loranger <we6w@qsl.net>

70) [32416] Re: FOX N/T Monday
by dhlaute@juno.com (David H. Lauten)

71) [32417] Re : OHR 100A
by Sameer Tiwari <samt@cheerful.com>

72) [32418] Re: QRP - Watts?
by "Claton Cadmus" <aplitech@spacestar.net>

73) [32419] Re: Circad to Gif
by "Claton Cadmus" <aplitech@spacestar.net>

74) [32420] Re: TenTec C/21 Dial Slippage
by "j.w. thornton" <dub@oklahoma.net>

75) [32421] Re: K5FO's shack
by Monte Stark <ku7y@sage.dri.edu>

76) [32422] Re: Limited antenna opportunities
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

77) [32423] Re: K5FO's shack
by "Paul R. Valko" <prvalko@Oakland.edu>

78) [32424] Re: TenTec C/21 Dial Slippage
by "Paul R. Valko" <prvalko@oakland.edu>

79) [32425] Re: Stripping Teflon wire
by Bill Howell <bhowell@mail.utexas.edu>

80) [32426] Century 21 and 38 special gone
by W7LS <w7ls@blarg.net>

81) [32427] Chuck's shack
by William Wyatt <wbw95k@timon.acu.edu>

82) [32428] Teflon wire etc.
by "J. Skalski" <jskalski@acsu.buffalo.edu>

83) [32429] new mint tins / gel cell source
by Gary M Diana <gmdiana@kodak.com>

84) [32430] Help for Xmas Antenna
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@res.raytheon.com>

85) [32431] Where to point a beam....
by Monte Stark <ku7y@sage.dri.edu>

86) [32432] 38 special Evolution!
by Ed Loranger <we6w@qsl.net>

87) [32433] Re: Where to point a beam....
by Ed Loranger <we6w@qsl.net>

88) [32434] Re: K5FO's shack
by adams@chuck.dallas.sgi.com (Chuck Adams)

89) [32435] HI hoot owl
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)

90) [32436] Only 43 to go on 200 milliwatts with my Pixie II / MRX-40 / Tick
Keyer combo
by "JakeCart" <JakeCart@ix.netcom.com>

- 91) [32437] A35RK begging for a QSO
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 92) [32438] Killer Electrons -- Not from the Sun
by "Bob Follett" <bfollett@ditell.com>
- 93) [32439] Anyone 4 dinner in Chicago?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 94) [32440] Antenna Testing Beacon
by n3aaz_qrp@juno.com (N3AAZ - John)
- 95) [32441] MFJ-941B info please
by mikemo@ibm.net
- 96) [32442] 100 uh for pixie2
by Terres Family <terresfm@ncia.net>
- 97) [32443] Re: MFJ-941B info please
by "Kelly Ellison" <kelman@dialnet.net>

Date: Tue, 9 Dec 1997 18:35:37 -0500 (EST)
From: Fran Flynn <fflynn@together.net>
To: qrp-1@Lehigh.EDU
Subject: [32347] Circad to Gif
Message-ID: <199712092335.SAA28982@sequoia.together.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know some of you are much more experienced at using Circad than I am. I know there is no *obvious* way, but is there some strange convoluted thing I can do to export a Circad drawn schematic directly to a gif or jpg? It sure would be nice. My guess is that the answer is no, but I thought I'd ask.

tnx es 73 sk

Fran Flynn
amateur radio: KM1Z
email: fflynn@together.net
web page: <http://together.net/~fflynn>

Date: Tue, 09 Dec 1997 23:58:38 +0000
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32348] Re: What do I do with a dead fox?
Message-ID: <348DDB2E.592A@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Absolutely excellent post. Mike, you say it all
well.....
EXCEPT ;^)

>

> Also, don't forget the Foxhunt Fireside Literature Awards. These awards go
> to the most entertaining post-hunt tales posted to QRP-L. I can fill you
> in on the details if you wish.

Hey Mike, here I've been working hard doing these stories and you
want to introduce more competition.

NAhhh, I guess we all win. What the heck!

Send in those Foxhunt Stories folks!

Now where is that lucky pencil...

72/Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 09 Dec 1997 16:23:23 -0800
From: bagardn <bagardn@ibm.net>
To: qrp-l@Lehigh.EDU
Subject: [32349] Measuring R+jX with the Autek RF-1
Message-ID: <348DE0FB.73E7@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Probably every ham that owns both the RF1 and a computer has coded up
the equation to do the conversion between SWR/Z and R/X which is found
in the RF1 user manual. Me too. But recently I wasted quite a lot of

my time, and at least a little bit of W7EL's, because I placed a little too much faith in the results I was getting (plus I screwed up the sign of X, that's another story).

I had made some R+jX measurements and was convinced that they were "right" because I had done some calibration of the SWR/Z to R/X method. But I had just started playing with EZNEC and wasn't sure if I had done the antenna modelling correctly. I spent a lot of time scratching my head, then contacted Roy (author of EZNEC) to see if he could help. Very gently and without hurting my feelings (He really is a gentleman.) he suggested that just maybe my measurements might be in error and not EZNEC. Sure enough ... <embarrassment>

So I modified a program that I wrote a while ago to include some error tolerance numbers, plus give some hints about determining the sign of X. I'll gladly make it available to anyone who's interesated. Mostly I lurk on this list, but I've gotten so many good ideas and tips that I thought maybe it was pay back time.

I've also recently modified another program I have that's lets you do "Smith chart rotation" from one end of a transmission line to the other, plus includes lots of other whiz-bang features. (Like show both the true SWR on the line and the SWR referenced to 50 ohms, as would be shown on the RF1.) You can use it to transform an R+jX reading at the shack end of the line to the antenna end (as in the case that got me into trouble), or go the other direction, for a variety of real world lines. Even if you don't own an RF1 you might find this one useful.

There are a lots of programs out there in the freeware/shareware world that do things like this, but like I said, I think it's time I gave a little something back to this list. Drop me an email and just ask. Make sure you and your email service can handle an attached ZIP file of about 23K.

73, Dan AC6LA bagardn@ibm.net

Date: Wed, 10 Dec 1997 00:10:55 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [32350] Re: Zero-Beat
Message-ID: <348E4E8F.743A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

":.... Everyone knows to zero beat the last guy worked.

Where is the pileup going to be?", asks Chuck, K5F0.

Yep, sometimes you have to anticipate. If the fox (or DX station's) receive frequency creeps up (or down) through the pile up it really pays to anticipate. If he works two or three on the high side and then two or three on the low side, then you can make a good guess as to when the switch to the other side will happen and be there. Then there is Ed's (WE6W) fine suggestion if the fox is super weak, hi. - 73, Harvey, N6MM.

.... Why are we giving all the secrets away?

Date: Tue, 09 Dec 1997 19:38:03 EST

From: ka7you@juno.com

To: QRP-L@Lehigh.EDU

Message-ID: <19971209.164934.17871.16.KA7YOU@juno.com>

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

Date: Tue, 9 Dec 1997 16:59:20 -0800 (PST)

From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>

To: qrp-l@Lehigh.EDU

Subject: [32352] Ten-Tec receiver kit- reviews anyone?

Message-ID: <199712100059.QAA25688@netcom4.netcom.com>

Has anyone gotten and built the new model 1254 RX kit?

It's a digitally tuned, superhet general coverage RX for about \$200.

Looks cute.

73, doug

Date: Tue, 9 Dec 1997 20:00:46 -0500

From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [32353] Eastern PA QRP Club

Message-ID: <01bd0507\$0cae4760\$685445c6@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello fellow QRPers,

Well so far including myself we have 7 people. I think that is a good number to start out a new club. But I am going to wait until Jan. 1, 1998 to start up the club, just in the event that someone is away for a while. Please tell your friends that are QRPers in Eastern PA that might not be on the internet.

Happy Holidays!

73, Good DXing & QRPing

Ron de WB3AAL

E-mail: wb3aal@talon.net

BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

QRP # 5318	G-QRP # 3031	AK/QRP #309
10-10 # 13173	QRP-L # 1099	

Date: Tue, 09 Dec 1997 19:38:03 EST

From: ka7you@juno.com

To: QRP-L@Lehigh.EDU

Cc: KB0ROL@juno.com

Subject: [32354] 9V and AA/AAA batteries

Message-ID: <19971209.164934.17871.17.KA7YOU@juno.com>

The posting about a 9V being 6 AAA's in a package is not quite correct.

Physically, six AAA's will not fit in the same package space, and electrically they are not equivalent either. Maybe if the AAA's were squeezed into a rectangular cross section they would fit physically. The one I opened up was six little rectangular pancakes stacked upon one another.

According to the Duracell data sheets, an alkaline AAA cell is rated at 1000maH, but an equivalent 9V alkaline is only 550 maH. An alkaline AA cell is rated at 2100 maH.

There are fairly wide variations in discharge curves between the various manufacturers, but the total maH specs are fairly consistent within similar battery families(Carbon-Zinc, Zinc-Chloride, Alkaline-Manganese Dioxide).

Also, the 'recommended' current range for the 9V alkaline battery is only about half of that for the AAA cell (100 ma for the 9V vs. 175 for the AAA, and 250 for the AA cell).

The weight of a 9V alkaline battery should be about 45 grams, and a 9V pack of AAA cells would be about 70 grams; a pretty consistent power to weight ratio.

I hope this clears up some misconceptions.

7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

Date: Tue, 9 Dec 97 20:35:33 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Subject: [32355] Wire Antenna Question
Message-ID: <199712100135.UAA83280@nss4.cc.Lehigh.EDU>

Folks,

I have an antenna question ... Maybe the QRP-L antenna experts can help me.

I understand that RF actually uses the 'skin' effect and radiates from the outermost surfaces of wire. My wire antenna is 14 AWG stranded copper clad and has only been up for about 2 years (feed is ladder line). I have noticed that the outer surface of the wire is turning into mostly copper oxide.

Do the experts say that replacement copper is required at this point?

Thanks and 72,

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Wed, 10 Dec 1997 06:28:26 -0700
From: gsurrency@juno.com (Gary Surrency)
To: qrp-1@Lehigh.EDU
Subject: [32356] Re: Ten-Tec receiver kit- reviews anyone?
Message-ID: <19971210.062848.3430.0.gsurrency@juno.com>

It hasn't shipped yet. I checked their web page earlier last week, but I can't remember when the projected ship date is.

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Tue, 9 Dec 1997 20:54:41 -0500 (EST)
From: Fran Flynn <fflynn@together.net>
To: qrp-l@Lehigh.EDU
Subject: [32357] hf activity
Message-ID: <199712100154.UAA11880@sequoia.together.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ron Smith wrote:

>I do, however, agree totally with what you said. My HF activity was next to
>dead. I started following this list about a year ago and a few weeks ago
>got my first QRP kit. Soon I will be heating up the air waves
>with -.-. ----- -.-. --.. -.-. --.- -.- so stand by... :-)

>72

I'm not a big contributor to the list, but I've been reading for a little over a year. I started out in ham radio (in 1980) being very enthused about HF, my activity has since dwindled to "2 meter CB", ...that is before qrp-l. I now have 3 homebrew qrp rigs, only 1 is a kit rig, for 80, 40 and 30 meters, a homebrew rig for 15m is in the works, using only 2n2222's. I'll share the design with all of you. The kit is a 40m SST, a very wonderful radio, especially considering the simplicity of it's design. While I'm at it, palmtops are qrp, aren't they?

72, 73, whatever it takes!

Fran Flynn

amateur radio: KM1Z

email: fflynn@together.net

web page: <http://together.net/~fflynn>

Date: Tue, 09 Dec 1997 19:54:40 -0600
From: Stan Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Cc: microres@crl.com, fflynn@together.net
Subject: [32358] SPICE simulation of KM1Z's 2N2222 Audio Amplifier
Message-ID: <348DF660.7624@crl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I believe the following program gives an accurate simulation of Fran's design. Frequency response and stability appear good. Pgm was written for RSpice, but should also run on PSpice. Look at the .out file generated as well as the Bode plot for other circuit details.
de Stan AK0B
--

SIMULATION OF KM1Z's 2N2222 AUDIO AMPLIFIER

- * Program by Stan Wilson AK0B 12/9/97
- * File: Audio.CIR Version 1.2 for RSPICE
- * KM1Z's 2N2222 AUDIO AMPLIFIER CIRCUIT- REF: QRP-L E-MAIL 12/97
- * KM1Z's web page <http://fflynn@together.net/~fflynn>
- * 2N2222A MODEL - REF: K5FO - QRP-L E-MAIL (SPICE MODELS) 11/97
- * RSPICE Version of SPICE available at
- * <ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools/rs34.zip>
- * To run program use Rspice's SIM.BAT "sim audio.cir"

VCC 3 0 12
VIN 1 0 AC

R1 2 3 22K
R2 2 0 10K
R3 5 0 1K
R4 3 4 4.7K
R5 3 6 4.7K
R6 3 7 22K
R7 7 0 10K
R8 3 8 22K
R9 8 9 22K
R10 9 10 22K
R11 10 0 22K
R12 11 9 10
R13 13 0 10
R14 14 2 100K
RL 14 0 8

```
C1 1 2 10U
C2 7 0 10U
C3 9 14 100U
C4 14 2 270P
C5 4 8 10U
C6 6 10 10U
* C7 14 0 22U ; Remove '*' to add C7 to roll off high frequencies
```

```
* C B E 2N2222A
Q1 4 2 5 Q2N2222A
Q2 6 7 5 Q2N2222A
Q3 3 8 11 Q2N2222A
Q4 9 10 13 Q2N2222A
```

```
.MODEL Q2N2222A NPN (IS=14.34F XTI=3 EG=1.11 VAF=74.03 BF=255.9 NE=1.307
+ISE=14.34F IKF=.2847 XTB=1.5 BR=6.092 NC=2 ISC=0 IKR=0 RC=1
+CJC=7.306P MJC=.3416 VJC=.75 FC=.5 CJE=22.01P MJE=.377 VJE=.75
+TR=46.91N TF=411.1P ITF=.6 VTF=1.7 XTF=3 RB=10)
```

```
* Determine Zin and Zout
.TF V(14) VIN
```

```
* Plot the Amplitude and Phase response (Range 20 Hz - 20kHz)
.AC DEC 10 20 20K
.PLOT AC VM(14) VP(14)
.PRINT AC VM(14) VP(14)
```

```
.OPTIONS ACCT LIST LIMPTS=500 OPTS
.END
```

```
-----
Date: Tue, 09 Dec 1997 17:56:36 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: wb5rue@stic.net
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [32359] Re: A35RK
Message-ID: <348DF6D4.4069@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

```
> Yeah! I talked to the guy a week or so ago, his name is Paul right?
> If you need QSL info it is:
>
> Aul R. Kidd
```

> Haveluloto
> Pangai, Ha'apai
> Kingdom of Tonga
>

I copied his QSL manager as W7TSQ

Robert Preston

809 Cary Rd

Edmonds, WA 98020

Any others?

--

73 de Jeff AC6KW

grudin@vdbbs.com

QRP-L #16

Private Practice : Companion Animals and

Exotics

Norcal QRP #1292

Ocean Animal Clinic / Cat Clinic of Santa

Cruz

Santa Cruz,

California

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Wed, 10 Dec 1997 02:12:37 GMT

From: n4js@pobox.com (John Sielke)

To: qrp-l@Lehigh.EDU

Subject: [32360] K2 ?

Message-ID: <348ef9c2.16392885@mail.cyberenet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

Earlier this evening, I saw a message from someone about the K2 from Elecraft being delayed for reworking or something? The phone rang and I was called away, when I came back some idiot had unplugged the computer and I lost some messages.

I immediately went over to their Web page, but no update since 11/4/97. I have sent several emails to the address on it, asking if there was any update, but never received an answer. Anybody have the info?

Ones, I'd just used 'em all. The pileup techniques let me beat a small pack of QRO ops to work Aruba on my first call. The sharpened listening skills let me find and work a DX station before anyone else knew there was an SM4 on the air!

So ya see, even if you aren't carting around piles o' Fox Pelts, you can win (and win *big*) by joining the Pack in the Fox Hunt!

Cold wx in AZ - Flagstaff had a high of 26F. FYBO is in the air. Wahoo! :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

2-Way QRP WAS: 49 (Need RI)

"QRP, Unix, MST3K and Babylon 5: The Four Pillars of Nerdvana" - Me

Date: Tue, 9 Dec 1997 21:43:36 EST
From: N8mgu <N8mgu@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [32362] Fox format?
Message-ID: <28b4cace.348e0266@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Where can I find the rules for the Fox formats (Fox/Hound)?

Date: Tue, 9 Dec 1997 21:34:18 EST
From: K5BDZ <K5BDZ@aol.com>
To: genewill@ordata.com, qrp-1@Lehigh.EDU
Subject: [32363] Re: Verticals, radials, and salt water
Message-ID: <66108328.348dffe0@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gene

Can't argue with real life, real experience success!!! Thanks for sharing it with us.

Bill, K5BDZ

Date: Tue, 9 Dec 1997 21:07:13 -0600 (CST)
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [32364] Great Colorado Snow Shoe Run
Message-ID: <199712100307.VAA17688@dfw-ix10.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

4 Days till the Snow Shoe contest! Quite an interesting bruha-ha fixing here in the Colorado Country. Marshall formed a sled team of the club officers and then threw the gauntlet at our feet. Being a rather undaunted bunch, we committee folks picked up the gauntlet, slapped ourselves in the face with it, and cried "En Garde!" Oh....wrong sport...maybe it's en passante...no, that's chess...

What the heck does one yell for a dog sled race?

Well, in any event, we formed a team of committee people and plan on giving those Mush Puppies a run for their beer money.

Team name:	Snow Blind
Lead dog:	Paul/KF7MD
Wheel dogs:	Al/K0FRP, Brad/KB0ROL, Dennis/W0GD
Driver:	Jan/KB0WQT

We'll see you on the air. Don't forget we have e-mail availability for log submission, as well as the regular snail mail. So get those logs (in ASCII format) sent to me ASAP! I'll also be posting a "logs received" item on the contest page at the CQC website.

So Hush You Hippies....no, that was the 60's....Push You Bippies....no, that was Laugh-In....aw heck, I give up....

72's,
Jan, KB0WQT
CQC Publicity
jmedley@ix.netcom.com

Date: Tue, 09 Dec 1997 19:13:40 -0800
From: Dan Hogan <dhhogan@lightside.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32365] Re: Wire Help
Message-ID: <3.0.5.32.19971209191340.0079a8a0@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Brad:

I have some of the same wire. I use a wire stripper called T-Stripper made by Ideal. I got the one for sizes 16 to 26, model 45-21. I got mine from MCS(800-645-7270) MCS/PN 88535018, \$9.35. I use a pair of pliers to hold really short pieces. No problems with lengths I can hold in my hand.

Dan Hogan WA6PBY
ARRL-VE, 9 QRP Clubs
dhhogan@lightside.com

Date: Tue, 09 Dec 1997 19:41:46 -0800
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [32366] Very Nice CW Web Site
Message-ID: <348E0F7A.5C95@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I just ran across a very well done and informative web site, just for CW. Seems as if Wilko has just about every link pertaining to CW that there is.

Wilko J.Hollemans PA3BWK
HSC# 1150 VHSC# 121 SHSC# 29 EHSC# 19 MCWG# 51
Member of the VERON,VRZA,ARRL Amateur Radio Clubs
Visit my website at <http://www.dutch.nl/wilbwk/>
Remember..... "Without CW it's just CB"

<http://www.dutch.nl/wilbwk/>

--

Brian Kassel W5VBO
ARCI # 3623
Phoenix AZ ScQRPions

Date: Tue, 09 Dec 1997 21:56:11 EST
From: sigcom@juno.com (Stephen M Smith)
To: qrp-1@Lehigh.EDU
Subject: [32367] Re: Will the 38Special Come Back
Message-ID: <19971209.185631.8327.0.sigcom@juno.com>

On Tue, 9 Dec 1997 17:47:32 -0500 "david's" <elim@IME.NET> writes:
>Ditto James, I'd like to get one also.. why does nor cal not continue
>such a
>good kit?

Because Doug and Jim and several other guys just about ran themselves
ragged putting it out! In case you didn't know, NorCal kits are
designed, kitted and shipped all by volunteer labor. What dedication.
Sure glad I got my 2 (no I'm not selling any).

73.....Steve, WB6TNL

Date: Tue, 09 Dec 1997 20:38:13 -0600
From: "Phil, K6LS" <k6ls@prolynx.com>
To: qrp-1@Lehigh.EDU
Subject: [32368] Re: Wire Help
Message-ID: <348E0095.104DCFDD@prolynx.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have all types of wire strippers. At work for field use we use the
"automatic" type and for production work, the 'electric' type (basically
looks like a large pair of 'tweezers' that have a pair of "blades" on the
end that heat up and melt the insulation) these work the best, because
they do not damage the wires. I found a pair at the Livermore Ca.
swap meet for about \$12.00. So, if you can find a pair....snatch them
up quickly, you won't regret it.

--
73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>

DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Tue, 9 Dec 1997 22:10:50 -0600 (CST)
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [32369] Snow Show Run
Message-ID: <199712100410.WAA17160@dfw-ix8.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Okay! I figured out what it was you're supposed to yell at a dog sled race...

"I did it, Rod!"

Jan, KB0WQT

Date: Tue, 9 Dec 1997 20:29:00 -0800
From: Jerome_Peters@el.nec.com
To: "QRP Group List" <qrp-l@Lehigh.EDU>
Subject: [32370] Soldering xtals
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-2022-JP
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

While playing with my OHR100 40M rig I noticed that it sounded better on receive when I touched a couple of the xtals. Next I used a jumper wire to connect the xtal case to chassis ground and it sounded even better. I have also noticed that some xtals have a third wire just for that purpose.

So my question is: Is it a good (or safe) practice to ground the case of xtals? or is something else out of whack that would cause the xtal case to be sensitive.

Any relevant information would be much appreciated.

I would like to thank you in advance for the very helpful answers that this list provides for the uninitiated.

73
KC6ENE
Jerome Peters

Date: Tue, 9 Dec 1997 21:19:13 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32371] Re: LIST POLICE
Message-ID: <199712100525.VAA13239@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I don't see what this list police thread has to do with QRP. Let's take this discussion off the list. \(^o^)/

ObQrp: I made my first qso and my first qrp qso this weekend! Woo-hoo! Congratulate me.

--Frank, Novice KC7YYR

Frank Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people"

Date: Tue, 9 Dec 1997 22:36:11 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [32372] Re: Snow Show Run
Message-ID: <199712100536.WAA01822@usr01.primenet.com>

Howdy,

Jan (KB0WQT) wrote:

>

> Okay! I figured out what it was you're supposed to yell at a dog sled race...

>
> "I did it, Rod!"

I thought it was, "Don't eat yellow snow!" :-) Wonder if
any fellow 'Zonies/NM critters would be interested in forming
a sled team. Maybe the Tumbleweed Snowmen... Team Milkbone...
Jolly Jackelopes... Santa's Revenge...

Any takers?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Wondering if finding reindeer jerky in your stocking is a bad sign....

Date: Wed, 10 Dec 1997 00:43:18 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [32373] QRP Club Website
Message-ID: <b24b32a7.348e2bf8@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can anyone tell me if the address I have for the QRP Club website is correct?:

<http://qrp.cc.nd.edu/QRP-L/index.html>

If it is correct I can't seem to get to it. I get an error each time. Any
suggestionis..... Maybe the site is down!

Hey I'm new to the QRP-L reflector (and to ham radio, too.) I know what 73
is - what is '72'?

73 to all..... Denny KF6NJQ

Date: Tue, 9 Dec 1997 22:31:04 -0800
From: wager@juno.com (James W. Cates)
To: qrp-l@Lehigh.EDU
Subject: [32374] Paddles mailed
Message-ID: <19971209.223319.11814.12.wager@juno.com>

I mailed out two car loads today, all orders received through Saturday. Yesterday's and today's will go to the post office tomorrow.

I thank everyone for the kind words that I have received in connection with the packing and mailing.

jim, WA6GER.

Date: Wed, 10 Dec 1997 02:01:15 EST
From: ALK0FRP <ALK0FRP@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [32375] TS-850 offset
Message-ID: <bc3884bd.348e3e3d@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang

COULD NOT FIND A WAY TO GET THE 1.25 KHZ OFFSET OUT OF THE RIG . JAN KB0WQT SUGGESTED A HARD RESET SO HELD THE A=B BUTTON DOWN AND TURNED IT ON "WALLA" BACK TO NORMAL. STILL CAN'T FIGURE OUT HOW THE XMIT GOT OFF BY 1.25 KHZ. ANYWAY BACK TO NORMAL WITHOUT USING THE RIT.

AL K0FRP

Date: Wed, 10 Dec 1997 02:12:56 -0500
From: "Edwin E. Albert" <ted.albert@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'km7h@gte.net'" <km7h@gte.net>
Subject: [32376] RE: TenTec C/21 Dial Slippage
Message-ID: <01BD0512.1B8FC8C0@111.cincinnati-02.oh.dial-access.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Most likely the grease in the PTO drive mechanism needs to be replaced. I rebuilt my PTO last year by ordering the kit from Ten-Tec. The instructions were easy to follow and my C/21 works great. I think the PTO rebuild kit cost me around \$20 last year.

The other impressive thing was that the PTO did not require re-alignment

after being re-assembled...the service tech assured me that it would not during my phone call to place the order.

72/73 de Ted, KF8EE

From: Jim Johnson
Sent: Tuesday, December 09, 1997 2:03 PM
To: Low Power Amateur Radio Discussion
Subject: TenTec C/21 Dial Slippage

I just acquired a TT C/21 - non digital. The dial mechanism doesn't seem to work very well - probably slipping somewhere. Anyone have experience with this? Is there a fix posted somewhere?

<snip>

Date: Wed, 10 Dec 1997 03:19:49 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: CQ-Contest Reflector <cq-contest@contesting.com>
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>, NA Reflector <na-user@contesting.com>
Subject: [32377] N4BP Change of address / URL
Message-ID: <Pine.3.89.9712100344.A23376-01000000@bc>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Please correct your addressbook entry for me to: n4bp@bc.seflin.org

If you access my web page, it has moved to:
<http://wg104a.wh.uni-stuttgart.de/~n4bp>

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 09 Dec 1997 15:10:45 -0700
From: Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
To: qrp-l@Lehigh.EDU
Subject: [32378] small speakers
Message-ID: <242614238.1444685@beavton.k12.or.us>

I have around 75 or so small speakers looking for new homes. They are 8 ohm 0.2 watt units removed from Apple PowerBook 520 computers. Each one is 1.1" dia and .17" deep and are of the mylar type. It looks like I can get three into a business envelope with 32 cents postage so what I would like to do is let them go in groups of three for \$2.00 and a SSAE. Please e-mail me direct to reserve some before sending your request.

Thanks

James
KB7LJP

--
Beaverton School District
Beaverton, Oregon

Date: Wed, 10 Dec 1997 04:30:32 -0800
From: "Gene A. Williamson" <genewill@ordata.com>
To: qrp-l@Lehigh.EDU
Subject: [32379] Re:Verticals, radials, and salt water
Message-ID: <3.0.32.19971210042111.006a37bc@ordata.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A QRP-L reader asked the following question about my recent post, but my reply to him bounced. Pardon the bandwidth, but I thought others might have had, but not asked, the same question . . .

>Gene who is Don Mix (w1ts)?

Jim, he was one of the greatest DXers who ever picked up a key. Worked

at ARRL headquarters, wrote occasionally for QST. My all-time favorite QST article was by W1TS, titled "Ivory Tower Confessions," in which he talked about DXing with a dipole. (It's the Jul 59 QST, if you have their CD-ROM.)

In the article, he wrote about SWR. I'll come as close as I can from memory:

" . . . Some of you will want to know about SWR, so let me put it this way: At first, I'd get bit whenever I touched the bug. I didn't mind so much, except that the QSLs will go to W1TI or W1TH. So I moved the Valiant over to the radiator, giving its temperature compensating capacitors something to work on. From then on, I didn't get bit, so I assume my SWR was 1:1. Or close to it."

In a recent "Electric Radio" article about W1TS, the author wrote that Don once used an end-fed wire, running out the window of his basement shack to a tree in the backyard. Worked a ton of DX, naturally. Later someone discovered the wire had broken where it flexed against the window -- that's where I got my "working DX from a basement" comment.

DX Is! Carpe DX!!

73 Gene K7dBV

genewill@ordata.com

Date: Wed, 10 Dec 1997 08:49:01 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>, forsale-swap@qth.net, icom@qth.net, yaesu@qth.net
Subject: [32380] For sale - HF, QRP, scanners, 2m xvtr kit, wattmeter
Message-ID: <Pine.LNX.3.95.971210084644.11930B-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Offers considered.

HF/QRP

Ten-Tec Scout 555 with 7 modules, power supply, noise blanker. 50w out, very easy to use. Excellent condition, \$700 for complete package.

Icom IC-751, quadruple conversion receiver. Reduced to 1w output, and will still run QRO No manual. Rig comes with standard CW filter.

Synthesized, easy to use, not too many buttons and knobs. General coverage receiver, AM/FM/SSB/RTTY/CW. Passband tuning. 32 memories. Mode-specific memory scan (pretty unique). Just excess to my needs. Very good cond. \$700.

Yaesu FT-990AC with optional 500 Hz and 2000 Hz xtal filters. Modified (per AA6TY and Yaesu) for variable power from 4-100w from front panel. Auto-tuner, general coverage receive, gorgeous display, spot button for zero-beating, DSP audio filter (high/low cut), heavy weighted tuning knob, AM/FM/PKT/RTTY/CW/SSB. \$1400. Exc. cond. Box, manual, and hand mic included. Near-mint condition.

Heath SB-1400 with speaker/power supply (heavy-duty). Clone of Yaesu FT-747GX. CW filter, attenuator, hand mic, LCD display, 20(?) memories, two VFOs, very easy to use. General coverage receive (xmit too, I think). Includes optiona; FM board. \$625 for all. All in excellent condition.

Icom IC-737, triple conversion receiver. 100w, QRPable from front panel, LCD display, 2 antenna jacks, auto-tuner, direct freq. entry, many other niceties like general coverage 0.1 - 30 MHz. Manual, box, and hand mic, \$737. Near-mint condition.

A&A Engineering 20m QRP rig, minus some ICs. Excellent condition with manual. \$70.

S&S Engineering ARK 20 QRP rig. 20m, with electronic keyer, audio filter, built-in speaker, 5w output. Very rugged. Manual included, Pushbutton tuning controls - a little strange but virtually zero projections to bump... With combination tilt-bail/carrying handle. VG cond, a few nicks, as if it matters with that serious aluminum case :) Includes custom variable-power output modification. \$225.

MFJ-9420 20m SSB radio. Excellent condition, with manual. 12w PEP. \$175. Also have CW adaptor for said radio, \$30 or \$25 with radio. Comes with Radio

Shack hand mic. Built-in speaker.

Oak Hills Research "Classic" with electronic keyer.
Rig covers 20 and 40 meters. Mint condition
with manual. Covers large section of the band.
Was \$240 as a kit with keyer, asking \$185 built.

S&S Engineering TAC-1 for 40m. Digital, knob-tuned.
Has built-in keyer. Rugged steel case. Mint cond.
\$195 complete, with manual.

Accessories

Tram-Diamond computing dual wattmeter. Has remote
sensor as well as backlighted display. \$100.

2m - transverter & amps

Ten-Tec model 1210 2m xverter kit, unbuilt. Was
\$148 shipped from Ten-Tec, asking \$144 shipped.
Box has yet to be opened. Can build to suit as
well. Thinking of buying one from the factory?

TPL 2m 80w allmode amp. Excellent condition, with
manual. 18w input gives 80w output. \$100.

Mirage B-108G 2m 80w FM/SSB amp with preamp. Requires
10 watts input, in excellent condition. \$123.

THS Electronics 1-10 2m Class C amp. 1 watt in,
10 watts out. Great physical shape, and comes
with fused power cable. Seems to like operation
at 5 watts output, although when first fired
up it puts out about 10. Thus it's got a problem.
Have schematic but little time; \$10.

Motorola 2m amp, good for FM only at about 65 watts.
Rugged. Excellent condition, asking \$75.

Handheld FM radios

Excellent condition Yaesu FT-470 2m/440 MHz HT.
5w out with proper battery. Works great, have manual.
Two receivers, no dual-in-band receive. \$240.

Scanners - base and handheld

Radio Shack Pro-2039 desktop scanner. New condition

in original box w/manual. 200 channels, public service/amateur/etc. Cell-blocked. Hyperscan. \$249 new, asking \$165.

Radio Shack Pro-2046 mobile scanner. Like new condition in original box w/manual. 100 channels, cell-blocked, etc. \$230 new, asking \$150.

Radio Shack Pro-51 handheld scanner. New condition, 200 channels, 800 MHz, with box, manual, rubber duckie antenna. \$299 new once, asking \$180.

Bearcat 210 - 1977 vintage with internal power supply. Covers some odd band combos, like 146-148, 30-50, 420-512 MHz. With internal power supply & AC cord, asking \$25. LED display. 10 channels.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Wed, 10 Dec 1997 09:18:19 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [32381] RE: Stripping Teflon Wire
Message-ID: <33501.owen@piper.eeel.nist.gov>

In message Tue, 09 Dec 1997 15:46:07 -0600, Ed Manuel <n5em@flash.net> writes:

> Brad,
>
> First, go to Sears to the electrical department. There, you will find a
> wire stripper Oh, the Sears strippers should cost less than \$15
> as I remember. They make 3 different size range from very small to very
> large. I have all three!

>
> Ed, N5EM
>

These will work ok if you're careful to use a hole that is slightly bigger than the wire but it's still some work. You can also get these stripper's from Contact East for \$7.25 to \$13.00 depending on the model. However, the proper stripper for Teflon wire is a Thermal Stripper. This heats the wire until it's soft and you can easily remove it without ANY damage to the wire

since there is no cutting edge. They are somewhat costly from around \$105 to \$220.00 but if you're doing a lot of work with Teflon wire it's the only way to go. 72 Jim K4CGY qrp-l #72

Date: Wed, 10 Dec 97 09:24:36 PST
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [32382] QRP - Watts?
Message-ID: <Chameleon.971210093434.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Disclaimer: Please forgive me if this is the second post...seems I sent it without a subject line...oops!

I am trying to figure watts out of a QRP rig and what supply voltage is required to accomplish that power. I am using the circuit that is shown in the ARRL handbook for RF measurement with a digital volt meter. It is a simple network of a 51 ohm resistor, 1n34 diode, and .01uf capacitor.
Question: Are there voltages created in a QRP rig that exceed the

supply? If not, then I figure the most power you can get out of a rig with a 13.8v supply is 3.8 watts. This is assuming a resistive load of 50 ohms. Using $E^2/R = \text{Watts}$.

Is this correct? Need some RF help here. I am trying to verify a new wattmeter. Thanks in advance to all replies.

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 12/10/97
Time: 9:24:36 AM

Date: Wed, 10 Dec 1997 08:02:15 -0700
From: "Ron Smith" <resmith@primenet.com>

To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [32383] Re: LIST POLICE
Message-ID: <01bd057c\$99eef5a0\$2d22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Frank Grigaliunas <fgrig@iea.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, December 09, 1997 10:28 PM
Subject: Re: LIST POLICE

>I don't see what this list police thread has to do with QRP. Let's take
>this discussion off the list. \(^o^)/

I agree. ;-)

>ObQrp: I made my first qso and my first qrp qso this weekend! Woo-hoo!
>Congratulate me.

Congratulations Frank. Good work.

Ron

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Wed, 10 Dec 1997 09:25:24 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [32384] FOX: N/T fox Thurs 11 Dec EST
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFDE@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings all,

Just a reminder that I will be the fox this Thursday night 12 Dec 0000-0200 UTC (11 Dec 1900-2100 EST). The upper end of the Novice band seems less crowded so I will start around 7.14 Mhz and move up & down from there. Power will be 5 watts.

There were some comments from last time that I must have gotten my new antenna. Unfortunately, Santa's elf is making me wait until Yuletide for that one. What I did do was to change how I hung it up. Normally I hang my G5RV from north to south, about 20 feet in the center and 10 in the ends. Last time, I took the south leg and took it west. It sloped down to about 7ft but was totally in the clear and apparently dodged the two big (800') hills to the north and south of my QTH. I will continue to set it up that way. I have the ultimate in stealth antennas. I put it up in the dark and take it down in the dark. There is some advantage in these long winter night.

The next project in the queue is a SW40-40. I am hoping to complete it before Yuletide so I can take it with me to TN when I go visit family. I hear they have some real mountains to operate from.

73

Preston, N0GLM

Date: Wed, 10 Dec 1997 07:25:05 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: "Robert H. Sorge" <rsorge@phoenix.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32385] Re: QRP - Watts?
Message-ID: <Pine.SUN.3.91.971210071650.15627C-100000@crl4.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Robert,

I guess the best question is when is a volt a volt. :-)

Most power meters read average effective power or peak.

For rms voltage $P = (V_{rms})(V_{rms})/R$

For peak voltage $P = (.707 * V_{pk})(.707 * V_{pk})/R = (v_{pk})(V_{pk})/2R$

For average effective power $P = (V_{pk-pk})(V_{pk-pk})/4R$

The best reference I have seen is Weiss's book "The Joy of QRP". I like to use a scope and measure V_{pk-pk} across a dummy load.

de stan ak0b

Date: Wed, 10 Dec 1997 07:54:52 -0800 (PST)
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
To: Jeff Grudin <grudin@pacific.vdbs.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32386] Re: A35RK
Message-ID: <Pine.0SF.3.95.971210075249.6332A-100000@unicorn.it.wsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I copied his QSL manager as W7TSQ
> Robert Preston
> 809 Cary Rd
> Edmonds, WA 98020

I worked him on 15m on Sunday. 1,000 mi/w. Not bad for first QRP 15m QSO of this sunspot cycle.

World Radio DX column for the current issue has W7TSQ as the manager for A35RK.

72,
Randy
AB7TK ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

Date: Wed, 10 Dec 97 10:48:55 PST

From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [32387] 10 M. Contest\IARU\Beacons
Message-ID: <Chameleon.971210105928.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gang,

10 meters is wide open to many places around the world
as I write this.

Beacons heard today @ AA1IK

4N1UN USA
ZS6DN KENYA
OH2B FINLAND
OA4B PERU
YV5B VENEZUELA

The Kenya beacon and the Venezuela beacons
were heard at 10 watts
and 100 mw.respectively.

I also heard a DL6 in qso with a state side station.

Tune to 28.200 and listen for the beacons. It will take
3 minutes for the entire world to send signals to you
in order one at a time.

The 10 meter contest being held this weekend
should provide some very hot operating for all.

See you on the bands OM's & YL's.

73

de AA1IK,	Time the accursed enemy of man,
	cursed youth for going to slow
Ernie Gregoire	and by the old for going to fast.

R.R. 1, Box 221,	
South Rd.	Fists # 2644, ARCI # 9500
Canaan, NH. 03741	QRP-L # 95, Fly fisher & tier,
	Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

12/10/97 10:48:55

Date: Wed, 10 Dec 1997 10:06:34 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, resmith@primenet.com
Subject: [32388] \(^o^)/ - Frosty?
Message-ID: <199712101605.KAA01095@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: quoted-printable

Hey Frank - that's a good one! Looks like frosty the snowman... guess appropriate for the season.

Cuall TONIGHT!

Tom - put on the cans & pad the walls, here come da hunters!

Tim W5FN

Date: Wed, 10 Dec 1997 08:16:41 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [32389] 38 Special Commercial Version
Message-ID: <3.0.1.32.19971210081641.00cd4118@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yesterday I posted that a commercial company would be kitting a version of the 38 Special and that it was their announcement to make. Today I see speculation that it is Wilderness. No it is not, but please do not play the game of eliminate the vendors. It is not fair to the company, it is not fair to me. I provided general information to the group to stop

rumors, and seem to have created a source for them, which is what I was trying to avoid in the first place. I will not violate the trust placed in me by the parties involved. 72, Doug, KI6DS

Date: Wed, 10 Dec 1997 11:12:13 -0500
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [32390] Re: QRP - Watts?
Message-ID: <348EBF5D.E276611F@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

rsorge@phoenix.net wrote:

> I am trying to figure watts out of a QRP rig and what supply voltage is
> required to accomplish that power. I am using the circuit that is shown
in
> the ARRL handbook for RF measurement with a digital volt meter. It is a
> simple network of a 51 ohm resistor, 1n34 diode, and .01uf capacitor.
> Question: Are there voltages created in a QRP rig that exceed the
> supply? If not, then I figure the most power you can get
out
> of a rig with a 13.8v supply is 3.8 watts. This is assuming
a
> resistive load of 50 ohms. Using $E^2/R = \text{Watts}$.

I will try to keep this simple for the moment.

We have to remember that we can change impedance (resistance to AC) at any time but using either active or passive devices.

The output impedance of typical solid state devices is in the range from a fraction of an ohm to a few ohms. This allows us to have high current and high power, the output network changes the impedance to a desired value, usually 50 or 52 ohms in our ham gear. When we change the impedance from a low value to a high (er) value the voltage rises and the current decreases.

My MFJ 9020, produces about 5 watts out with a 12.8V battery

connected, the peak to peak
voltage across a 50 ohm dummy load is about 45 Volts.

I have grossly over simplified but this is where you start. :-)

michael N6CHV

Date: Wed, 10 Dec 1997 10:14:06 -0600
From: charlie <crc@io.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [32391] TEN_TEC
Message-ID: <348EBFCE.2E6D@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gotta talk about those ten tec folks,I called ten tec to order a new string/rubberband replacement ,it controlls the dial pointer, for my Argonaut I bought in 1976 .After a short friendly chat I asked how much the total with shipping was , their reply "NO CHARGE" they said it could fit in a biz envelope and my cost to send a check was more than their price so they would just send it on down.With this kind of service on a 20 year old radio they win my best of the best award, and a lot of my future business.

--
charlie crouchet WA5KRF a little cw never hurt anybody
qrp-l #1207
a-qrp #2 1/2 Argonaut 509;micronaut;MRX-40;Pixie2
g qrp #9817

Date: Wed, 10 Dec 1997 11:22:17 -0500
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [32392] Re: 38 Special Commercial Version
Message-ID: <348EC1B9.1B3986D6@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ki6ds@dpol.k12.ca.us wrote:

>

> Yesterday I posted that a commercial company would be kitting a version of

> the 38 Special and that it was their announcement to make.

As I am just about to start building my 38 special, I can wait for the announcement.

I was going to buy one or two more kits to experiment with digital/APRS on 30M, but as those projects are far in the future I can wait for what will be an even better kit when it arrives.

I have more than enough projects to keep me busy while "I" wait. :-))

michael N6CHV

Date: Wed, 10 Dec 1997 11:24:21 EST
From: WB0NZM <WB0NZM@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [32393] Re: CIRCAD :-(
Message-ID: <aa3214fc.348ec237@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 97-12-09 22:21:30 EST, you write:

<< Can not read CIRCAD without learning something new, getting pgm, etc etc
>
> I vote for .gif files. >>

The problem is, many of us don't have scanners. Also, it's whole lot easier to do a PC board layout, if the schematic is already in a schematic/pb board cad program. And computer-generated schematics usually look a LOT nicer, and are often a LOT easier to read, than hand-drawn schematics.

I've tried several different cad packages - some demo's, some the 'real' thing. I've looked at Tango, PADS, Protel, EasyTrax, as well as several shareware programs. Circad beats them all - it's VERY easy to learn, as compared to all of these others, and MUCH easier to use than some of them.

Anyone doing circuit design should do themselves a favor, and take a look at Circad.

The latest version (3.8) can be downloaded from the Holophase web site:
www.holophase.com.

Disclaimer: I don't work for Holophase (the company that developed Circad) or have any other connections with Circad, other than I am VERY pleased with how it works (from using the demo - I haven't bought the 'full package', yet, but plan to do so soon).

John

Date: Wed, 10 Dec 1997 11:28:45 -0500
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [32394] Propagation on the higher bands
Message-ID:
<c=US%a=%p=RF_Micro_Devices%l=PACHACUTEC-971210162845Z-747@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello gang,

I've been looking some of the latest solar information on the web. I was wondering if anyone has been spending much time on 17, 15, 12, and/or 10 meters lately.

What are some things you have noticed about these bands? Are openings sporadic or are they getting more consistent?

Please email direct.

Thanks es 73

John WB40FT
jmckee@rfmd.com

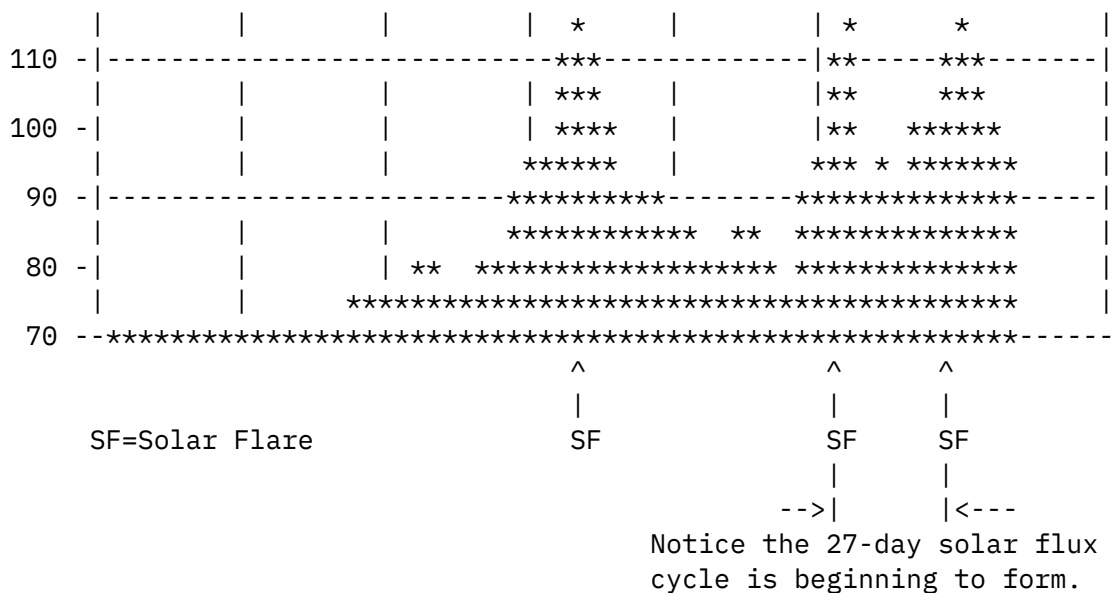
Date: Wed, 10 Dec 1997 17:11:03 +0000 (GMT)
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: John Mckee <JMckee@RFMD.com>
Subject: [32395] RE: Propagation on the higher bands
Message-ID: <19971210.171103.wb5rue@stic.net>

On JMckee@RFMD.com, John Mckee[SMTP:JMckee@RFMD.com] wrote:

> Hello gang,
>
> I've been looking some of the latest solar information on the web. I
> was wondering
> if anyone has been spending much time on 17, 15, 12, and/or 10 meters
> lately.
>
> What are some things you have noticed about these bands? Are openings
> sporadic or are they getting more consistent?
>
> Please email direct.
>
> Thanks es 73
>
> John WB4OFT
> jmckee@rfmd.com
>
>

Well 17 and 15 are pretty close to identical for propagation. 15 is definitely starting to wake up and stay awake longer into the evening. The problem is that no one is operating on the upper bands for fear of wasting their time. I talked to a guy in Africa last Saturday on 10 meters. The band was "dead" or at least it sounded that way. So just for grins I called CQ. It was about 16:00z and after about 15 rounds I got an answer from a 5N0 station (Nigeria). He was 559 solid through the entire 30 minute QSO. I was running about 10 watts into a vertical ("reformed" CB antenna.) I later talked with a couple of European stations. Later that evening I was hearing the south Pacific coming in but didn't work any of them. 15 meters had been open almost daily in November but has gone to sleep for the Winter I think. It will probably still have its days. For the Winter months I think that 20 is still the best bet for consistent openings. 17 and 15 will be sporadic until late Spring. In the next couple of years you should notice a steady trend of more and longer openings up until the next peak early in the next century.

72/73,
Kevin, WB5RUE



72, Paul NA5N
National Radio Astronomy Observatory
VLA/VLBA Radio Telescopes
Socorro, NM, USA, Earth

Date: Wed, 10 Dec 1997 12:06:30
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [32397] Re: small speakers
Message-ID: <3.0.1.16.19971210120630.2bff39b8@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:10 PM 12/9/97 -0700, you wrote:
>I have around 75 or so small speakers looking for new homes. They are 8 ohm 0.2 watt units removed from Apple PowerBook 520 computers. Each one is >1.1" dia and .17" deep and are of the mylar type.

These will work great in my Altiods SWL radio. Get some before there gone!

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 10 Dec 1997 17:31:20 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: "Claton Cadmus" <aplitech@spacestar.net>
Cc: qrp-1@Lehigh.EDU
Subject: [32398] Re: Two Guys Dinner last night
Message-ID: <199712101731.RAA08203@chuck.dallas.sgi.com>

Cla et.al.,

Thanks for the gathering.

Two Guys from Italy was an excellent choice and not associated with the restaurant chain with the same name.

One of the things that I learn from the little trips is that the QRP guys/gals are great in person, on the air, and on QRP-L. All are enthusiastic and are really enjoying just about every aspect of the hobby and what it has to offer.

Cla is responsible, if I got the info straight from last night, for the start of a new group in MN and they said at the last meeting they had 25 or so show up. That is fantastic.

Jim looks different not all bundled up in front of a tent as I remember him from the photo on the cover of an issue of QRP ARCI Quarterly. :-)

Nice to put faces with calls and names.

I have to skip lunch for a week now. :-)

We were the last out of the restaurant and the time just went too quickly.

dit dit de K5F0/0

Chuck Adams K5F0 CP-60 RUFZ score of 90,233
<http://reality.sgi.com/adams> adams@sgi.com

Date: 10 Dec 1997 15:28:24 GMT
From: Bill_Unger@tvo.org

To: qrp-1@Lehigh.EDU
Subject: [32399] Fwd: 7040 Crystals
Message-ID: <1303441374.3940999@tvo.org>
Content-Type: text

Hello:

At one point Doug Hendricks was selling 7040 crystals. Does he still sell them and if so what is his email.

If not Doug does anyone know of another source.

Please respond to my private email.

Thanks

Bill
VE3XT

Date: Wed, 10 Dec 1997 12:35:55 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <ku7y@sage.dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32400] Re: Wire Help
Message-ID: <199712101734.MAA30180@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

I have the RS strippers that pull the wire while holding it. My YL Mary suggested I buy this for about \$11 or 12, I think, and it's paid for itself in lack of aggravation many times over.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Wed, 10 Dec 1997 13:10:46 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Jim Johnson <km7h@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32401] Re: TenTec C/21 Dial Slippage
Message-ID: <Pine.OSF.3.95.971210130930.23071A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Call down to Sieverville and ask for a PTO rebuild kit (@\$25). It's a dirty nasty job but someone's gotta do it.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

www.acs.oakland.edu/~prvalko

On Tue, 9 Dec 1997, Jim Johnson wrote:

> I just acquired a TT C/21 - non digital. The dial mechanism doesn't seem to
> work very well - probably slipping somewhere. Anyone have experience with
> this? Is there a fix posted somewhere?
>
> km7h@gte.net
>
> Jim Johnson, KM7H Mukilteo, WA
> QRP ARCI #3497 ARS # 321
> NWQRP #480 QRP-L #1219
> CQC #444 AK-QRP #179
> QRP++, OHR Classic, Explorer 20
>
>
>

Date: Wed, 10 Dec 97 08:10:29 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [32402] Great story
Message-ID: <9712101810.AA10695@krypton.nmr.Hawaii.Edu>

Got my December QST today, great story and cartoon on the foxhunt and the qrp list.

This weekend I am planning a trip out to KH7R to participate in the 10 meter contest at slightly over QRP levels 8^), but I am taking along my Alinco. Friday night I hope to test it out on a friend's full size inverted V and his trap dipole on 40 meters and maybe Sunday morning before 10 meters opens I can get a chance to hook it to the full size 40 meter beam on the 100 foot tower at KH7R.

Mike Burger University of Hawaii at Manoa Department of Chemistry
AH7R - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Wed, 10 Dec 1997 11:12:38 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-l@Lehigh.EDU
Subject: [32403] Christmas Presents (ad)
Message-ID: <199712101813.LAA13756@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

It's not too late to order Christmas presents from Milestone Technologies-- from stocking stuffers to kits to life-time tools like the HK-708 Morse Key.

Here are a few ideas in case Santa hasn't already over-filled his bag and his credit card account:

AADE's LC Meter IIB kit, measures inductance and capacitance down to nano-units, self calibrating and as accurate as commercial lab gear-- \$89.95.

HK-708 Straight Key from Hi-Mound. A "real" key for the serious CW op, with silver contacts, superb Japanese engineering-- \$49.95

The Island Keyer Kit-- iambic MEMORY keyer with four message memories, speeds to 40wpm-- \$21.95. Or the "Island Memory" kit to add four message memories to NON-memory keyers, for only \$17.95.

Codemaster V Morse Training Software-- 0-20wpm in 90 days guaranteed (give the gift of an Upgrade!)-- \$29.95.

These and our other products are fully described and illustrated on our web site: <http://www.mtechnologies.com/mthome>, where you can order on-line using your credit card. Or REPLY with your mailing

address for a copy of our current catalog. Or call (800)238-8205 (toll free) to place an order using Visa, Mastercard, Discover, or American Express. Shipping and handling is just \$5 PER ORDER and includes PRIORITY MAIL.

Mention this ad (or the List) when you order and I'll throw in a FREE GIFT.

With the Compliments of the Season....

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com/mthome>
(303)752-3382
--

Date: Wed, 10 Dec 1997 14:35:47 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [32404] FOX: STATE STANDINGS 1997/98 FOXHUNT
Message-ID: <Pine.LNX.3.93.971210140641.1123A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

UPDATES:

TX remains "un-skunkable"! The halfway point in the season is only six hunts away.

CO bumps MN out of the top 5! But Doc is back to put the pressure on.

FL snaps a looooong dry spell and doubles it's score in two hunts.

Canada is skunked by the last fox (skunkhunting?) K2VCO saves CA from another skunking with his "Hail Mary" from the far end of the court, right at the buzzer.

Walt K8CV must have a thing for twins, he worked two hunters in each of the following; AL,AR,AZ,CO,CT,FL,IA,IL,IN,MD,MO,OK,VA

Both PA and NJ beat MD in the last hunt, VA tied MD (certainly a statistical fluke :)

TX pulls within "striking distance" of CA. TX-193 CA-223. TX stands a good chance to catch CA as the next two foxii are "over here".

Hunters per Fox average is still about one every two minutes, 59.46 avg. Over 1300 pelts so far this season,

Best one night runs so far: Fox - KA80KH with 88 hunters, Hunters - CA with 21 pelts (K50I as fox).

Top five are the usual suspects.

CA-223 TX-193 AZ-135 OK-56 CO-51

1997/98 FOXHUNT STATE SCORES

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	(#= top 5 states)	
F	A	V	N	N	W	K	K	K	W	N	K	K	N	K	K	T	R
O	B	E	O	O	7	1	8	I	2	8	O	A	O	S	8	O	A
X	7	7	T	U	Q	M	C	7	U	V	E	8	U	4	C	T	N
	T	C	F	R	Q	G	V	M	X	A	V	O	R	L	V	A	K
	K	Q	I		Q			N		R	Z	K				L	
		K										H					
AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	29
AL	2	1	-	1	1	4	1	2	-	1	-	1	1	-	2	24	12
AR	-	-	-	-	-	-	-	1	-	1	1	-	1	-	2	13	20
AZ	6	7	2	7	10	8	4	10	8	-	9	6	7	8	2	135	3#
CA	9	16	12	12	10	9	10	15	6	-	9	7	12	13	1	223	1#
CO	6	3	-	2	-	4	7	2	-	1	2	1	1	3	2	51	5#
CT	-	-	-	1	1	2	-	-	-	1	1	2	3	-	2	24	12
FL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	6	26
GA	1	-	-	1	-	1	-	-	-	1	-	2	1	-	-	11	21
IA	1	1	-	-	3	1	-	-	2	-	2	1	-	-	2	18	15
ID	1	3	1	-	1	-	1	1	1	-	1	1	3	3	-	22	13
IL	1	1	-	2	1	2	-	-	2	-	2	2	-	-	2	24	12
IN	-	-	-	1	2	1	-	1	2	-	2	2	-	-	2	19	14
KY	-	-	1	1	1	1	-	1	-	-	1	-	3	-	1	14	19
MA	-	1	-	-	-	-	-	-	-	-	-	2	1	-	-	6	26
MD	-	-	-	2	-	-	-	-	-	1	-	7	4	-	2	22	13

MI	-	1	1	1	-	2	3	-	3	1	2	5	-	-	1	26	11
MN	1	2	1	3	4	6	1	2	1	-	-	3	5	2	1	49	6
MO	1	2	3	1	4	3	-	1	1	1	2	6	-	-	2	41	9
MT	-	-	-	-	-	-	1	1	1	-	1	-	1	-	-	10	22
NC	2	1	-	2	3	3	-	1	-	-	-	2	2	-	1	29	10
ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	29
NJ	-	-	-	-	-	1	-	-	-	1	1	2	3	-	3	15	18
NM	4	3	2	2	1	3	2	3	3	-	2	2	3	1	3	42	8
NV	1	1	2	-	2	1	1	1	1	1	-	-	1	1	1	22	13
NY	-	-	-	4	3	2	-	1	2	3	1	5	6	-	5	45	7
OH	-	1	-	1	-	-	-	-	-	-	2	2	-	-	-	9	23
OK	2	1	3	3	5	6	1	3	2	2	4	5	2	-	2	56	4#
OR	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	5	27
PA	-	-	-	2	2	-	-	-	-	3	1	2	3	-	3	19	14
SC	-	-	-	1	-	1	-	-	-	-	1	1	1	-	-	9	23
TN	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	5	27
TX	7	7	4	9	9	12	15	8	13	6	8	9	10	8	11	193	2#
UT	4	1	-	2	-	1	-	1	-	-	-	-	-	-	-	16	17
VA	1	-	1	1	1	1	-	-	-	2	1	4	2	-	2	22	13
WA	-	-	1	2	-	-	-	-	-	-	-	-	1	-	-	6	26
WI	-	-	-	-	1	3	-	-	-	-	1	5	-	-	1	17	16
WV	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	29
GULF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	28
AB	1	1	-	-	-	1	1	1	-	-	-	-	2	-	-	7	25
BC	-	-	-	1	1	1	1	-	-	-	-	-	1	-	-	8	24
ON	-	-	1	3	2	1	-	-	-	1	2	1	2	-	-	16	17
SK	-	1	1	1	1	-	-	-	-	-	2	2	1	2	-	14	19
NW	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	29

Q's 63 56 36 70 70 81 49 56 48 27 62 88 84 42 59 1308 -

STATES STILL FOXLESS: DC,DE,HI,KS,LA,ME,MS,NE,NH,RI,SD,VT,WY

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --
```

Date: Wed, 10 Dec 1997 10:16:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: minie@ed11a.msfc.nasa.gov
Cc: qrp-l@Lehigh.EDU
Subject: [32405] Fox

Message-ID: <M2349710.004.z14q3.1.971210183850Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Once you have worked the Fox, you have bragging rights. Go work
someone else and brag! :-)

73, Bob N6WG

Date: Wed, 10 Dec 1997 10:44:49 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [32406] NorCal Crystals
Message-ID: <3.0.1.32.19971210104449.00c4eb50@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NorCal has the following crystals available for \$3 each including postage:

7.040 MHz, 7.122 MHz, and 10.116 MHz

To order send \$3 per crystal to Doug Hendricks, 862 Frank Ave., Dos Palos,
CA 93620.

Please include a self addressed mailing label, and make checks or money
orders to Doug Hendricks, NOT NorCal.

NorCal offers these crystals to encourage homebrewing of simple
transmitters, receivers and transceivers. We have to order 500 crystals at
a time, to get a reasonable price, but are able to offer them at \$3 each.
They are in HC49U holders or packages.

Jim and I talked about this at the last meeting, and we have decided to
keep the crystals as a stock item as a service to QRPers.

72, Doug, KI6DS

Date: Wed, 10 Dec 1997 10:48:19 -0800
From: Jerome_Peters@el.nec.com
To: "QRP Group List" <qrp-l@Lehigh.EDU>
Subject: [32407] Results of xtal question
Mime-Version: 1.0

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Wed, 10 Dec 97 14:16:45 PST
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32409] RE: QRP - Watts?
Message-ID: <Chameleon.971210142211.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Now to where I'm leading. Understanding first helps. I have built a QRP wattmeter kit. It indicates almost 1 watt lower forward power than a store bought one I have. Ex. 4 watts vs. 5 watts. How can I verify this wattmeter's accuracy with simple bench tools like a digital volt meter?

-Bob

--- On Wed, 10 Dec 97 09:24:36 PST "Robert H. Sorge" <rsorge@phoenix.net> wrote:
Disclaimer: Please forgive me if this is the second post...seems I sent it without a subject line...oops!

I am trying to figure watts out of a QRP rig and what supply voltage is required to accomplish that power. I am using the circuit that is shown in the ARRL handbook for RF measurement with a digital volt meter. It is a simple network of a 51 ohm resistor, 1n34 diode, and .01uf capacitor.
Question: Are there voltages created in a QRP rig that exceed the

supply? If not, then I figure the most power you can get out of a rig with a 13.8v supply is 3.8 watts. This is assuming a resistive load of 50 ohms. Using $E^2/R = \text{Watts}$.

Is this correct? Need some RF help here. I am trying to verify a new wattmeter. Thanks in advance to all replies.

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033

E-mail: rsorge@phoenix.net
Date: 12/10/97
Time: 9:24:36 AM

Date: Wed, 10 Dec 1997 19:03:07 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [32410] Solar Status
Message-ID: <199712101903.TAA01431@chuck.dallas.sgi.com>

Thanks to Paul NA5N in NM for the posting on the solar flux.

I almost daily go to <http://www.dxlc.com/solar> to look at the beautifully done graph. We sure didn't have this during the previous solar cycles.

Three days ago the sunspot count was at 45 and then jumped to 95+ the next day and has now started down, but the solar flux is still going down. Still over 90 though.

Let's hope the solar flux jumps up for the 10M contest this upcoming weekend.

FYI
Chuck Adams K5FO CP-60 RUFZ score of 90,233
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 10 Dec 1997 09:31:58 -1000
From: Peter Demmer <ampruss@hits.net>
To: victorj@fast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32411] Re: Stl Vertical
Message-ID: <348EEE2F.B26@hits.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

victorj@fast.net wrote:

>

> The contacts on my vertical have broken off(with help from my six year
> old),the copper collar is intact.Does any one have any ideas about what I can
> use for a replacement and if so where can I get it.

> Thanks

> Vic K3VP

Victor;

Your retro fitted SLV contactor/slider rod is winging it's way back to you. Please take note that one of the TEFLON (TM) spacers is thicker (0.0170" vice 0.0145"). The thinner one is to allow for the terminal connecting lug thickness. Your 1/4"x1/4" shaft was also originally drilled off center. No problem, counter sink for the new SS-PH-MS machined out fine. I also bright tinned the male and female locking screw threads and re-tapped to get rid of the slop. The new rule is to loosen the set screw, rotate it abt 45 degrees, engage the slot in the contact point with your coil turn, rotate it back 45 degrees and lock it down. Note that locking it down will further spring load the contact point with the coil turn. Thanks for allowing me to be of service. Safe and Happy Holidays to you and your loved ones. Aloha, Peter KH6CT

Date: Wed, 10 Dec 1997 19:14:00 +0000
From: Ed Loranger <we6w@qsl.net>
To: Jerome_Peters@el.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32412] Re: Results of xtal question
Message-ID: <348EE9F8.4186@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Of course this is a rhetorical question.

Because the answer is clear.

: -)

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 10 Dec 1997 13:55:54 EST
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [32413] CW Backwards?
Message-ID: <61cb10d0.348ee9e8@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

What happens when you play a country & western song backwards?

You get your job back
You get your wife back
Your dog "undies"

Bill, K5BDZ
55 wpm on a good day

Date: Wed, 10 Dec 1997 13:19:30 -0600
From: "Jeff M. Gold" <jmg@tntech.edu>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [32414] K5FO's shack
Message-ID: <348EEB42.7B8C559B@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

For those of you who haven't visited Chuck's web page:

<http://reality.sgi.com/adams/shack02.jpg>

If your XYL starts complaining about the number of toys you have, or clutter with too much equipment, print this page out, blow it up to at least 17x17 and woop it out.

this was a scary experience for me visiting this page, and a little sad, I am thinking about writing a country western song about it.

"all the rigs I have built

all the rigs I have owned,

where are they now

where have they gone?

are the little critters happy in their new homes

is there true love to be found

in far and distant time zones?

well time for vacation

bye

:*)

72,73

and still counting

AC4HF

--

Jeff M. Gold, Manager

Academic Computing Support

Tennessee Technological University

(615)372-3979

Date: Wed, 10 Dec 1997 19:29:35 +0000

From: Ed Loranger <we6w@qsl.net>

To: rsorge@phoenix.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [32415] Re: QRP - Watts?

Message-ID: <348EED9F.272F@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I hear a homebrew calorometer in the making....

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)

HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3

QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 10 Dec 1997 14:29:27 EST

From: dhlauten@juno.com (David H. Lauten)

To: QRP-L@Lehigh.EDU

Subject: [32416] Re: FOX N/T Monday

Message-ID: <19971210.143257.7879.6.DHLAUTEN@juno.com>

Fox hunters,

Well the band conditions were not the best Monday 9-11 EST (0200-0400 Tuesday, Dec 9). I thank all who were trying to work me. Especially,

Wilford, K0EVZ who tried continuously for an hour. I am seriously considering moving my time when I am the Fox next to 0000-0200 UTC. I will give plenty of advanced notice.

Here are my results:

Time	Station	RST	Name	State
0219	KA80DQ	449	Jim	MI
0224	KA5T	559/449	Larry	TX

72 de David, KF4HAW

Date: Wed, 10 Dec 1997 11:36:52 -0800
From: Sameer Tiwari <samt@cheerful.com>
To: QRP-L@Lehigh.EDU
Subject: [32417] Re : OHR 100A
Message-ID: <348EEF54.7DF5@cheerful.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Problem No Tx output with about 1 V pk to pk
to the base of a class C Final.

Hi, tnx to all who replied.

The problem is probably
not enough drive from the 2N3866 driver.

Anyway, let me take this opportunity to ask
you about a very strong internal birdie
when I tune around 7.002 MHz.
I know the 100A for 40M has a 5Mhz VFO, 9MHz IF
and a 11MHz Osc which is mixed with the VFO to get
16MHz which is then mixed with a 9MHz OSc to get 7 MHz.

I should not be getting any birdies, is it
possible that one of my Tx stages is self oscillating
causing the birdie and insufficient drive to the Tx.

Sameer

Date: Wed, 10 Dec 1997 13:35:37 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: <rsorge@phoenix.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32418] Re: QRP - Watts?
Message-ID: <013301bd05a3\$1b37ece0\$b2c0bfce@aplitech>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Robert H. Sorge <rsorge@phoenix.net> asked:

> I am trying to figure watts out of a QRP rig and what supply voltage is
> required to accomplish that power. I am using the circuit that is shown in
> the ARRL handbook for RF measurement with a digital volt meter. It is a
> simple network of a 51 ohm resistor, 1n34 diode, and .01uf capacitor.
> Question: Are there voltages created in a QRP rig that exceed the supply?

Robert, the answer is yes the output voltage can be higher then the supply voltage. The circuit you describe is a peak voltage detector. You must multiply your DVM reading by .707 and then use the formula $E^2/R=P$

Vp=DVM voltage reading
E=.707*VP convert peak voltage to RMS voltage
P=(E*E)/50 calculate watts out based on 50 ohm load
or, and you can do the algebra,
P=(Vp*Vp)/100 which is much easier!

Hope this Helps

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
If you live in Minnesota check out this webpage!
<http://www.qsl.net/mnqrp>

Date: Wed, 10 Dec 1997 13:19:18 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: <fflynn@together.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [32419] Re: Circad to Gif
Message-ID: <013201bd05a3\$1a116e40\$b2c0bfce@aplitech>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fran Flynn <fflynn@together.net> asked:

>I know some of you are much more experienced at using Circad
>than I am. I know there is no *obvious* way, but is there
>some strange convoluted thing I can do to export a Circad
>drawn schematic directly to a gif or jpg?

If you are running Circad under Windows 95, even in a dos full screen window, press and hold the ALT key and press Print Scrn key. This will take a snapshot of the currently active window and save it to the clipboard. Open a drawing program like Paint or Paint Shop Pro and under Edit click on Paste. The image will be placed on the screen as a new picture. Paint Shop Pro would be a better choice as you can then save the picture in a variety of formats including .gif format. MS Paint only saves .bmp files.

Hope this Helps.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
If you live in Minnesota check out this webpage!
<http://www.qsl.net/mnqrp>

Date: Wed, 10 Dec 1997 13:41:28 -0600
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-1@Lehigh.EDU
Subject: [32420] Re: TenTec C/21 Dial Slippage
Message-ID: <3.0.3.32.19971210134128.00dafbec@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:10 PM 12/10/97 -0500, you wrote:

>

>Call down to Sieverville and ask for a PTO rebuild kit (@\$25). It's a
>dirty nasty job but someone's gotta do it.

>
>73! =paul= W8KC
>Collector of Ten*Tecs and other fine plastics
>
>www.acs.oakland.edu/~prvalko
>
>On Tue, 9 Dec 1997, Jim Johnson wrote:
>
>> I just acquired a TT C/21 - non digital. The dial mechanism doesn't seem to
>> work very well - probably slipping somewhere. Anyone have experience with
>> this? Is there a fix posted somewhere?

Not enough info for a good diagnosis, but I would first suspect the dial
cord slipping. "72"

Dub WA5YFY
J. W. (Dub) Thornton
QRP-1 #159
Norcal #598
ARCI #6982
NW QRP #427
Minco, Okla. 73059

Date: Wed, 10 Dec 1997 11:55:15 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: "Jeff M. Gold" <jmg@tntech.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32421] Re: K5FO's shack
Message-ID: <Pine.SUN.3.90.971210115415.13922A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 10 Dec 1997, Jeff M. Gold wrote:

> I am thinking about writing a country western song about it.
> "all the rigs I have built
> all the rigs I have owned,
> where are they now
> where have they gone?
> are the little critters happy in their new homes
> is there true love to be found
> in far and distant time zones?

Hi Jeff,

Don't quit your day job just yet..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 10 Dec 1997 12:15:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: mwattcpa@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [32422] Re: Limited antenna opportunities
Message-ID: <M2349752.001.zq8y0.1.971210202921Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Marty:

Per your post, here are some "rules of thumb" that may apply in your situation, in no particular order of importance.

1 Get the antenna outside if at all possible. Next choice is an attic antenna if possible. Indoors around the ceiling definitely last choice, but can be done if no other option.

2 In interests of keeping TVI to a minimum or non existent, get antenna as far from building as possible. This means no end-fed long wires. Use some form of balanced antenna with balanced line--dipole or loop would give best rejection to noise from building. A groundplane would work with coax feed also. Balanced antennas don't require an RF ground reference, hence fewer ground currents flowing in building wiring. Means less TVI chance, as well as less noise pickup from building wiring. A dipole could be vertical, horizontal or a sloper. Main thing is to have one :-)

3. Fine copper wire with a dark enamel coating will make a good dipole or loop that will be hard to see. I used nr 22 or 24, I dont remember which, and it worked just fine for a horizontal 40m loop. If you use a loop, either in a diamond or triangle shape, you can ease the transmission line problem by having one of the corners come to your window for shack access. You can run all the feedline you want indoors, but there would be little to see outside. Depending on supports available, the loop could be in the vertical plane, horizontal, or somewhere in between.

4. If you use a balanced feedline like 300-ohm twinlead, you don't need a balanced tuner if you arrange the feedline length to bring a current maximum point to the tuner location. You can splice added twinlead in until the low impedance point is where your tuner sits. Line loss is too small to bother with. My shack is in my garage, so I have the excess cable just looped through the rafters.

You can make up a small 1:1 balun with a small ferrite rod, either round or like those small flat ones from a BC transistor radio. Put a dozen turns of bifilar wound wire on the rod, then put a female coax connector at one end, and perhaps some banana jacks at the other end. I've made several of these, and they work like a champ--cheap too!. Connect the balun between your unbalanced tuner and the balanced feedline and load it up.

5. If your apartment location is electrically noisy, consider some form of antenna noise cancelling circuit. There have been a lot of posts here and on the HamAnt reflector about the Doug DeMaw circuit. There are also commercial units available. I use the ANC-4 by JPS, but MFJ has one also. I expect there may be others as well. The best place to get rid of noise is before it ever gets inside your radio. Don't know if there are any noise cancelling kits available, but would seem like an opportunity for some enterprising soul. They certainly do work.

Anyway, that's enough air time for this post.

Good luck, and ask lots of questions.

72, Bob N6WG

Date: Wed, 10 Dec 1997 15:20:42 -0500 (EST)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: "Jeff M. Gold" <jmg@tnitech.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32423] Re: K5FO's shack
Message-ID: <Pine.OSF.3.95.971210151655.10886A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 10 Dec 1997, Jeff M. Gold wrote:

> For those of you who haven't visited Chuck's web page:
>

> <http://reality.sgi.com/adams/shack02.jpg>

FAR too much symmetry in that picture... I find it hard to believe
Chuck's a physicist. Here is a more realistic shack...

<http://www.oakland.edu/~prvalko/sme.jpg>

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

www.acs.oakland.edu/~prvalko

Date: Wed, 10 Dec 1997 15:24:23 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: "j.w. thornton" <dub@oklahoma.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32424] Re: TenTec C/21 Dial Slippage
Message-ID: <Pine.OSF.3.95.971210152141.10886B-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 10 Dec 1997, j.w. thornton wrote:

> Not enough info for a good diagnosis, but I would first suspect the dial
> cord slipping. "72"

That would be a good GUESS, my advice is actually correct... particularly
in light of the fact that the Century 21 doesn't HAVE a dial cord.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

www.acs.oakland.edu/~prvalko

>
>

Date: Wed, 10 Dec 1997 15:22:49 -0500

From: Bill Howell <bhowell@mail.utexas.edu>
To: qrp-1@Lehigh.EDU
Subject: [32425] Re: Stripping Teflon wire
Message-ID: <199712102022.PAA188318@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ed Manuel Wrote:

First, go to Sears to the electrical department. There, you will find a wire stripper - but not just any old wire stripper. You are looking for a stripper that is made from flat metal pieces, looks like a funny pair of scissors, has vinyl covered handles (mine are yellow - could be red), and, MOST importantly, has a set of holes for stripping a series of different wire sizes.

[illegible]

Also try Home Depot. The ones I use are made by Ideal Industries,
Model# 45-121
About \$11
Round holes
26-thru-16 guage

They make different models, some being for solid conductor and some for stranded. Check the package, as the hole size appears to be different for the two.

These also have a nice scissor section near the pivot bolt, and a small 'plier-end' on the jaws, for grabbing.

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
N5ALO QRP-L #415

Date: Wed, 10 Dec 1997 12:36:24 -0800
From: W7LS <w7ls@blarg.net>
To: grp-l@Lehigh.EDU

Subject: [32426] Century 21 and 38 special gone
Message-ID: <348EFD48.42A@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. The 38 special is gone and the Century 21 is kinda gone. I got a line on the finals and am going to do the repair, myself.

Thank you for all the replies. 73 de Jim, W7LS

Date: Wed, 10 Dec 1997 15:04:22 -0600 (CST)
From: William Wyatt <wbw95k@timon.acu.edu>
To: qrp mailing list <qrp-l@Lehigh.EDU>
Subject: [32427] Chuck's shack
Message-ID: <Pine.BSI.3.95.971210150243.20594A-100000@timon.acu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey, K5F0, how about a listing of all that equipment for the new hams (like me) who can't tell a 38 special from a MFJ (couldn't think of anything to rhyme with special :)

| | | | wbw95k@timon.acu.edu
| | | | William Wyatt
| /\ | | /\ | KC5ZGH <--Tech Plus // QRP-L member #1339
|/ \ | |/ \ | 1 Corinthians 13:13
<http://timon.acu.edu/~wbw95k>
--*** **-- -** * -* -*- ***** --** --* ****

Date: Wed, 10 Dec 1997 16:02:30 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [32428] Teflon wire etc.
Message-ID: <Pine.GSO.3.96.971210155656.18784A-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think I caused a surge in sales of wire strippers around the world :-)

I took a load of TFE wire to UPS today. It was not nice...all the rookie

shippers were there. They were shipping the XMAS gifts to the kids and relatives. We are having a snowstorm here also.

I have a bunch of wire and will offer it to be shipped *after* the holidays.

Hope everyone gets all the qrp goodies they want for XMAS.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Wed, 10 Dec 1997 15:25:32 -0500 (EST)
From: Gary M Diana <gmdiana@kodak.com>
To: qrp-l@Lehigh.EDU
Subject: [32429] new mint tins / gel cell source
Message-ID: <199712102025.PAA09150@kodaki.kodak.com>

Hello all -

Two more or less random acts netted some neat QRP toys over the past weekend:

- 1) Stopped into Starbucks for a coffee... pricey yes, but life is too short for mcdonald's coffee! While there I spied a mint tin, measuring 0.5"x2.25"x1.75" and hinged. \$1.99 and these are MAGNUM mints, as in imagine what would happen if an altoid went supernova then collapsed into a black hole... concentrated mint!
- 2) Happened to stop into a local cel phone store. Strolled over to the clearance table and found a 12v yuasa 2.3aH gell cel + charger for \$0.50 (YES, FIFTY CENTS). New in the box! It was originally for an OKI bag phone.

(It's funny, cause the sales lady asks how many I want, and I answer "1000". Well they only had a few, and I found out it was just her store that was unloading them).

One last note, they had a bunch of shrink-wrapped cells for sale for a buck. Probably AA NiCd's, so consider checking out the cel phone stores near you for similar clearance sales.

73, Gary N2JGU
n2jgu@juno.com

Date: Wed, 10 Dec 1997 13:53:31 -0500
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@res.raytheon.com>
To: qrp-l@Lehigh.EDU
Subject: [32430] Help for Xmas Antenna
Message-ID: <85256569.0067422E.00@RESSUD-AS01.RES.RAYTHEON.COM>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Going to finally spend a few Xmas bucks on an antenna. I have a small lot located in Massachusetts. I wanted best for my buck. I am considering the GAP TITAN vertical antenna.

Am I making a mistake? Is there a better vertical?
Is there just a better way?

Any opinions who be greatly appreciated. Respond directly to me to save bandwidth.

Ron - N1ZSW

Date: Wed, 10 Dec 1997 13:22:11 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [32431] Where to point a beam....
Message-ID: <Pine.SUN.3.90.971210131842.14655A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I was too fast on the delete key....

Where do I go to generate some beam heading maps
for my qth??

OBQRP: I will only use a little bit of the information for
a little bit of time, to move my antenna just a little
bit at a time, in order to improve my very weak sig
just a little bit.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 10 Dec 1997 21:33:46 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32432] 38 special Evolution!
Message-ID: <348F0ABA.FB3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary M Diana wrote:

><snip> ..these are MAGNUM mints, as in imagine what would
> happen if an altoid went supernova then collapsed into a
> black hole... concentrated mint!
>
00h! 0ooh! Gary, you did it!

The Special grow up into the 38 Magnum! What a name.

I'm sure the kit will be referred by some name... Oh, yeah,
Magnum. Just add the ol' Firestick antenna, Powder coated
K8FF paddles, some Coaxial hardline...

All the makin's of QRP station armory.

Thanks to Doug for sharing, errr, bagging out the cat, err,
Catting out the bagle, err,

Letting the cat outta the Bag. Really cuts down
on the Whine factor -- :)

I can spot a potential codeword a 64 bit shift-register
away. Or is it 56 bits...

Challenge:"The baby yearns for a name."
Authenticate:MAGNUM

Hey Nils, get away from my keyboard.m,am;sdnaa you., post what,da
jlllettgoo Nil...edl

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 10 Dec 1997 21:42:44 +0000
From: Ed Loranger <we6w@qsl.net>
To: ku7y@sage.dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32433] Re: Where to point a beam....
Message-ID: <348F0CD4.1133@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here to help. Debts to pay :)

QTH Centered Maps:

Working but moving soon:
<http://www.arscorp.com:1080/>

One of two same site they are moving to:
<http://www.wm7d.net/azproj.shtml>

And the other is:
<http://ns3.qth.net/azproj.shtml>

All the same site. The bottom two are

their new location.

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 10 Dec 1997 21:46:57 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: prvalko@Oakland.edu
Cc: qrp-l@Lehigh.EDU
Subject: [32434] Re: K5FO's shack
Message-ID: <199712102146.VAA02195@chuck.dallas.sgi.com>

Paul,

There are two kinds of Physicists - theoretical and experimental.
I am a theoretician. :-)

Also there is a thing that I call the "visitor effect". If the
people you are going to visit know you're on the way then the
shack will not look like it did 10 minutes before you got there.
:-) I knew that I was going to take the picture.

I like symmetry. That's why all the rigs have the wires
bundled and tied off.....

:-)

I was going through back issues of Rad Comm, the British
radio magazine. They had a photo contest for the most
disorganized shack.

One guy lost because the shelves in his shack were all
horizontal, so they knew it was a staged photograph. :-)
Another lost because he had curtains.

It's all relative.

:-)

ciao dude,

Chuck Adams K5FO CP-60 RUFZ score of 90,233

<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 10 Dec 97 11:46:17 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [32435] HI hoot owl
Message-ID: <9712102146.AA11292@krypton.nmr.Hawaii.Edu>

I just got confirmation that I can use the three-element, full-size 40 meter Yagi at KH7R with my Alinco at five watts after the station closes down on the 10 meter contest Friday night.

So I hope to be up 1000 to 1100 Z Saturday (midnight to 1 a.m.) The beam is stuck and will need fixing Saturday morning, but it is pointing at the US Mainland. It is up 100 feet. Since Japan etc will be in at that time, everything from 7030 Khz up will be SSB etc. So I will try around 7.028 Mhz.

>From 1100 to 1200 Z Saturday I plan on hooking up to the array of full-size 160 meter antennas and trying out five watts at 1.834 Mhz.

This is the first time I have had a chance to do QRP with outstanding antennas.

Mike Burger University of Hawaii at Manoa Department of Chemistry
AH7R - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Wed, 10 Dec 1997 17:00:15 -0500
From: "JakeCart" <JakeCart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [32436] Only 43 to go on 200 milliwatts with my Pixie II / MRX-40 / Tick Keyer combo
Message-ID: <199712102201.QAA07462@dfw-ix9.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Got New Jersey today -- Yeah!!

Only 43 more states and I'll have WAS QRPP -- hope the sun spots pick up soon. :-)

This homebrew milliwatt stuff is a lot of fun.

Jake [N4UY]

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 48/47 (need HI and MS)

WAS QRPp W/C 7/1 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer combo)

Date: Wed, 10 Dec 1997 14:11:57 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [32437] A35RK begging for a QSO
Message-ID: <199712102211.0AA06610@heracles.llnl.gov>

Just had a nice 20 minute chat with Paul in Tonga. When I left he was CQing
with no takers... 21026.5 ...and a nice 55/69 signal.

Grant/K7GT

Date: Wed, 10 Dec 1997 09:50:36 -0700
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@Lehigh.EDU>
Subject: [32438] Killer Electrons -- Not from the Sun
Message-ID: <01bd058b\$bcc286a0\$ca36b3cf@newmicronpc>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_00BA_01BD0551.1063AEA0"

This is a multi-part message in MIME format.

-----_NextPart_000_00BA_01BD0551.1063AEA0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gang:

In the interest of understanding our "free electron" environment, which =
makes what we do possible -- New News:

In a meeting of the American Geophysical Union, scientists reported that =
they found the source of "killer electron" storms that have wiped out =
satellites and power grids, but have not emanated from the Sun. The =
source is: Jupiter!! They can now measure flows of electrons from both =
Jupiter and the Sun that travel near the speed of light!

They also noted that a burst of high-energy electrons were emitted from =
the Sun on Nov. 6th, and they reached the Earth in 20 minutes rather =
than the usual two to three days -- they also temporarily knocked out =
the SOHO satellite with their "killer power". (Remember Einstein's =
famous law -- anything near the speed of light has a lot of energy!)

So, just when you thought you understood the role of the Sun in our =
electrical environment ---=20

OQRP: The latest WorldRadio newsletter is positively dominated by QRP =
reporting!! Way to go!

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com=20

-----=_NextPart_000_00BA_01BD0551.1063AEA0

Content-Type: text/html;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
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<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.2110.0"' name=3DGENERATOR>
</HEAD>

<BODY bgColor=3D#ffffff>
<DIV>Gang:</DIV>
<DIV> </DIV>
<DIV>In the interest of understanding our "free =
electron"=20
environment, which makes what we do possible -- New News:</DIV>
<DIV> </DIV>
<DIV>In a meeting of the American Geophysical Union, =
scientists=20
reported that they found the source of "killer electron" =

Subject: [32439] Anyone 4 dinner in Chicago?
Message-ID: <Pine.LNX.3.95.971210182954.15543A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'll be at the Sheraton downtown for a week. Any local QRPers for dinner?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Wed, 10 Dec 1997 17:27:40 EST
From: n3aaz_qrp@juno.com (N3AAZ - John)
To: qrp-1@Lehigh.EDU
Subject: [32440] Antenna Testing Beacon
Message-ID: <19971210.182602.10135.0.n3aaz_qrp@juno.com>

Antenna Testing Beacon

...Objective...
Develop a very efficient and operative QRP antenna.

...How...
By the process of elimination. I will beacon every 10 minutes starting at FIVE minutes after the hour (05, 10, 15...55). During each transmission the computer will switch antenna configuration back and forth then beacon an antenna number (ONE or TWO). You send me an email signal report in the form of;

Loudest (ANT ONE or ANT TWO)
Date and time (UTC)
Your antenna polarization (Vertical or Horizontal)
Your QTH (grid square or Lat. and Long or city, state)

...When...
0205Z 11dec97 through 2355 11dec97

...Where...
7027.5 kHz (plus or minus traffic) is the most peaceful frequency I can find on 40 meters this time of year.

...What...

"What" will not be broadcast in advance, otherwise,
I may bias the test results. For example
each test samples may be like antenna but
different polarization
or
matching networks on opposite end of the transmission line.

...Bandwidth...

Since the project is QRP-L related I will publish test results
to this net. If, however that, that causes heart burn I will go
direct (email) upon request.

My QTH is FM19xb, 39.05N / 76.05W
Rig is Sierra

n3aaz_qrp@juno.com

-jk-

Date: Wed, 10 Dec 1997 17:34:37 -0500
From: mikemo@ibm.net
To: qrp <qrp-l@Lehigh.EDU>
Subject: [32441] MFJ-941B info please
Message-ID: <348F18FD.14C3@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I rescued a decrepit MFJ-941B from a radio shop today. Although all the
components are there, all the connectors have been removed and
everything internally has been disconnected.

Can anyone who has this tuner send me a copy of the schematic so I can
revive this for QRP use?

Thanks and 72's
de kf4trd
Mike Maiorana

Date: Wed, 10 Dec 1997 19:03:01 -0800
From: Terres Family <terresfm@ncia.net>

To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [32442] 100 uh for pixie2
Message-ID: <348F57E5.121C@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got some 100 micro henrie inductors from Dan's to use in a Pixie2
but they are kinda large ~12mm x ~6mm.
(in this application at least) is there any difference between an
inductor and a choke???

TIA from the technologically challenged
72 Jerry AA10F

Date: Wed, 10 Dec 1997 17:14:20 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32443] Re: MFJ-941B info please
Message-ID: <199712102313.RAA28445@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Mike,
You may find it at: <http://www.mfjenterprises.com/mfj/manuals/index.html>
The zipped form may have a schematic. Good luck.

Kelly Ellison
WB0WQS

> From: mikemo@ibm.net
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: MFJ-941B info please
> Date: Wednesday, December 10, 1997 4:34 PM
>
> I rescued a decrepit MFJ-941B from a radio shop today. Although all the
> components are there, all the connectors have been removed and
> everything internally has been disconnected.
>
> Can anyone who has this tuner send me a copy of the schematic so I can
> revive this for QRP use?
>
> Thanks and 72's

> de kf4trd
> Mike Maiorana

End of QRP-L Digest 935
